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	U	1	Document ID	Issue Date	Pages
1	☐	☐	US 6658398 B1	20031202	120
2	☒	☐	US 6073127 A	20000606	135
3	☒	☐	US 6067538 A	20000523	160
4	☒	☐	US 6067537 A	20000523	161

	Title	Current OR	Current XRef	Retrieval Classif
1	Goal based educational system utilizing a remediation object	706/47	706/45; 706/46	
2	System, method and article of manufacture for a goal based system with dynamic feedback information	706/45	706/47	
3	System, method and article of manufacture for a simulation enabled focused feedback tutorial system	706/47	434/118; 705/40; 706/46	
4	System, method and article of manufacture for a goal based educational system with support for dynamic personality feedback	706/47	434/118; 705/40; 706/11	

	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	Bertrand, Benoit Patrick et al.	☒	☐	☐	☐	☐	☐	☐	US 6658398	☐
2	Lannert, Eric Jeffrey et al.	☐	☐	☐	☐	☐	☐	☐	US 6073127	☐
3	Zorba, Alexander et al.	☐	☐	☐	☐	☐	☐	☐	US 6067538	☐
4	O'Connor, Martha Torrey et al.	☐	☐	☐	☐	☐	☐	☐	US 6067537	☐

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1 **An accelerator operator's companion for the McMaster University M d FN tandem accelerator**
Berg, D.; Poehlman, W.F.S.;
Nuclear Science, IEEE Transactions on , Volume: 36 , Issue: 4 , Aug. 1989
Pages:1409 - 1417

[Abstract]   [PDF Full-Text (864 KB)]   **IEEE JNL**

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1 **Knowledge-based interface to manufacturing computer systems**
D. Wilson, D. O. Knight
June 1988 Proceedings of the first international conference on Industrial and engine and expert systems - Volume 2
Full text available: 📄 pdf(571.40 KB)   Additional Information: full citation, references

2 **An object-oriented framework for interactive data graphics**
Robert L. Young
December 1987 ACM SIGPLAN Notices , Conference proceedings on Object-oriented applications, Volume 22 Issue 12
Full text available: 📄 pdf(1.44 MB)   Additional Information: full citation, abstract, references, c

Ida is an object-oriented framework for interactive data graphics. It can be used integrated into application user interfaces. Ida's model of graphics is composed Assemblies, Data Sources, Data Displays, and Scales. Presentations and assembl distinction is maintained between drawing and the management of already draw

3 **Interface design issues for advice-giving expert systems**
John M. Carroll, Jean McKendree
January 1987   Communications of the ACM, Volume 30 Issue 1
Full text available: 📄 pdf(2.28 MB) Additional Information: full citation, abstract, references, citings, index terms

Advice giving could become the first successful domain for intelligent interfaces.

4 ACE: a color expert system for user interface design

Barbara J. Meier

January 1988   Proceedings of the 1st annual ACM SIGGRAPH symposium on User

Full text available: 📄 pdf(1.56 MB)   Additional Information: full citation, abstract, references, c

> Color is used in computer graphics to code information, to call attention to items
> aesthetics, but using color effectively and tastefully is often beyond the abilities
> study of color crosses many disciplines, and many aspects, such as human color
> We compiled a comprehensive set of guidelines for the proper use of color, but (
> the a ...

5 Responding to :20HUH?”:: answering vaguely articulated follow-up q

J. D. Moore

March 1989 ACM SIGCHI Bulletin , Proceedings of the SIGCHI conference on Human
                the mind, Volume 20 Issue SI

Full text available: 📄 pdf(592.08 KB)   Additional Information: full citation, abstract, references,

> Expert and advice-giving systems produce complex multi-sentential responses t
> novice/expert dialogues indicate that novices often do not understand an expert
> well-formulated follow-up question. Thus systems must be able to provide furth(
> articulated questions. However, current systems cannot clarify misunderstood e:
> explanations. In this paper we descr ...

6 Using critics to empower users

Gerhard Fischer, Andreas C. Lemke, Thomas Mastaglio, Anders I. Morch

March 1990   Proceedings of the SIGCHI conference on Human factors in computing

Full text available: 📄 pdf(1.29 MB)   Additional Information: full citation, abstract, references, ci

> We describe the critiquing approach to building knowledge-based interactive sys
> in their problem solving and learning activities. The challenges for the next gene
> provide a context for the development of this paradigm. We discuss critics from
> problems of high-functionality computer systems, of providing a new class of sy:
> applicati ...

7 Survey of expert critiquing systems: practical and theoretical frontiers

Barry G. Silverman

April 1992   Communications of the ACM, Volume 35 Issue 4

Full text available: 📄 pdf(2.84 MB)   Additional Information: full citation, references, citings, index terms

> Keywords: critics, expert critiquing systems

8 Expert systems: perils and promise

D. G. Bobrow, S. Mittal, M. J. Stefik

September 1986 Communications of the ACM, Volume 29 Issue 9

Full text available: pdf(1.77 MB)   Additional Information: full citation, abstract, references, citings

Based on a review of some actual expert-system projects, guidelines are propos
and managing the development process.

9 The state of the art in automating usability evaluation of user interfaces

Melody Y. Ivory, Marti A Hearst

December 2001 ACM Computing Surveys (CSUR), Volume 33 Issue 4

Full text available: pdf(2.31 MB)   Additional Information: full citation, abstract, references, citing

Usability evaluation is an increasingly important part of the user interface desigr
can be expensive in terms of time and human resources, and automation is ther
existing approaches. This article presents an extensive survey of usability evalua
new taxonomy that emphasizes the role of automation. The survey analyzes exi
of usability evaluation aut ...

Keywords: Graphical user interfaces, taxonomy, usability evaluation automation

10 Fast prototyping of a goal-oriented simulation environment sytem

David A. Umphress, Udo W. Pooch, Murat Tanik

February 1988 Proceedings of the 1988 ACM sixteenth annual conference on Con

Full text available: pdf(1.16 MB)   Additional Information: full citation, abstract, references,

The goal-oriented Simulation Environment Systems (SES) architecture “h
process by providing a more natural scheme of model construction and experim
languages. SES is a collection of integrated tools that allows users to focus on p
peripheral activities of programming. Interactive software plays a vital role in re
describing the various info ...

11 An example of management training in expert systems: SBA loan evaluatio

Sudesh M. Duggal, Paul R. Popovich

September 1990 Proceedings of the 1990 ACM SIGBDP conference on Trends and dir

Full text available: pdf(2.19 MB)   Additional Information: full citation, references, index terr

12 Spoken dialogue technology: enabling the conversational user interface

March 2002   ACM Computing Surveys (CSUR), Volume 34 Issue 1

Full text available: 🔲 pdf(987.69 KB)   Additional Information: full citation, abstract, references,

Spoken dialogue systems allow users to interact with computer-based applicatio by using natural spoken language. The origins of spoken dialogue systems can t research in the 1950s concerned with developing conversational interfaces. How so, with major advances in speech technology, that large-scale working systems cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language genei recognition, speech synthesis

13 An architecture for expert user interface and design management

J. Lowgren
November 1989   Proceedings of the 2nd annual ACM SIGGRAPH symposium on User

Full text available: 🔲 pdf(1.11 MB)   Additional Information: full citation, abstract, references, c

From a user interface point of view, expert systems are different from applicatio process of the system often defines the dialogue structure. This has several adv due to the lack of separation between functionality and user interface. This pape an expert system user interface as separate from the reasoning process of the s prop ...

14 Goal driven simulation intelligent back ends: a state of the art review

Louis A. Molina, Carlos Gandarillas, Martha A. Centeno
November 1996   Proceedings of the 28th conference on Winter simulation

Full text available: 🔲 pdf(575.76 KB)   Additional Information: full citation, references

15 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997   Proceedings of the 1997 conference of the Centre for Advanced Stu

Full text available: 🔲 pdf(4.21 MB)   Additional Information: full citation, abstract, reference:

Understanding distributed applications is a tedious and difficult task. Visualizatio often used to obtain a better understanding of the execution of the application. event tracer developed at the University of Waterloo. However, these diagrams provide the user with the desired overview of the application. In our experience, of non-trivial commun ...

16 Design of an expert system for utilization research
A Zvieli, S K MacGregor, J Z Shapiro
December 1986   Proceedings of the ACM SIGART international symposium on Metho

Full text available: pdf(935.56 KB)   Additional Information: full citation, abstract, referenc

This work is concerned with the initial design of an expert system for increasing sciences. It is an empiric fact that evaluation findings in the social science have An expert System for Utilization of Research (SUR) may serve both as a researc utilization research) and later as an aid to evaluators in the field. The system wi utilizat ...

17 A natural language based legal expert system for consultation and tutoring
F. Haft, R. P. Jones, Th. Wetter
December 1987   Proceedings of the first international conference on Artificial inte

Full text available: pdf(1.08 MB)   Additional Information: full citation, abstract, references, cit

The LEX (Legal Expert System) project is one of the European based projects in both a professional and a teaching perspective. The project is a cooperative pro: and IBM Germany and developed out of research into a User Specialty Language queries to a relational data base. The LEX system has as its main components a and logic representation ...

18 IS '97: model curriculum and guidelines for undergraduate degree program
Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E.
December 1997 ACM SIGMIS Database , Guidelines for undergraduate degree progra
                for undergraduate degree programs in information systems, Volume

Full text available: pdf(7.24 MB)   Additional Information: full citation

19 Seeding expert system technology: a practical approach
Lynne Marie Davis
February 1988   Proceedings of the 1988 ACM sixteenth annual conference on Cor

Full text available: pdf(574.10 KB)   Additional Information: full citation, abstract, referen

Introducing a new technology into an established environment is often slow and conventional programming laboratory got started with expert systems through a resulted in three prototype expert systems, which are now used as learning tool techniques used to capture the expertise were unique: the first system's source system's sou ...

20 The role of critiquing in cooperative problem solving

Gerhard Fischer, Andreas C. Lemke, Thomas Mastaglio, Andres I. Morch

April 1991   ACM Transactions on Information Systems (TOIS), Volume 9 Issue

Full text available: 📄 pdf(2.05 MB)   Additional Information: full citation, references, citings, i

Keywords: cooperative problem-solving systems, critics, critiquing, design envir
systems, intelligent support systems

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21 DORUS: an architecture for dynamic optimal resource utilization systems
   S. Ulug, B. A. Bowen, A. Acheson
   June 1989 Proceedings of the second international conference on Industrial and eng
              intelligence and expert systems - Volume 1
   Full text available: 🔲 pdf(718.77 KB)   Additional Information: full citation, abstract, referen

   A number of problems such as planning, scheduling and system maintenance ha
   and the need to optimize the use of these resources. The Dynamic Optimal Resc
   architecture suitable for the construction of expert systems for these problem dc
   data but for problem solving strategies which might change according to time or
   will respond to a predefined se ...

22 An expert system for diagnosis and maintaining the AT&T 3B4000 compute
   James A. Kavicky, George D. Kraft
   June 1989 Proceedings of the second international conference on Industrial and eng
              intelligence and expert systems - Volume 1
   Full text available: 🔲 pdf(1.09 MB)   Additional Information: full citation, abstract, reference

   Major computer vendors have concentrated on enhancing diagnostic and mainta
   systems to permit a prompt repair interval with a minimal amount of technical s
   an architectural description for an automated diagnostic and recovery expert sy:
   domain knowledge of both the AT&T 3B4000 Computer and the AT&T technical :
   3B4000 Computer as a vehicle for ...

23 The ISA expert system: a prototype system for failure diagnosis on the spa‹

Christopher A. Marsh

June 1988　Proceedings of the first international conference on Industrial and engine
and expert systems - Volume 1

Full text available: 📄 pdf(1.27 MB)　　　　　Additional Information: full citation, abstract, reference

The Mission Operations Directorate (MOD) at the Johnson Space Center (JSC) is
mission success of manned space flights. The MITRE Corporation, working with I
Operations Management System (OMS) to automate many aspects of flight cont
systems. To help develop these requirements, the Integrated Status Assessmen
to perform Station-wide fai ...

24 Requirements interaction management

William N. Robinson, Suzanne D. Pawlowski, Vecheslav Volkov

June 2003　　　　　　ACM Computing Surveys (CSUR),　Volume 35 Issue 2

Full text available: 📄 pdf(1.24 MB)　　　　　Additional Information: full citation, abstract, reference

Requirements interaction management (RIM) is the set of activities directed tow
disposition of critical relationships among sets of requirements, which has becor
engineering. This survey looks at the evolution of supporting concepts and their
issues-based framework for reviewing processes and products, and applies the f
state-of-the-art. Finally, it presents seven researc ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin, analysis
driven design, dependency analysis, distributed intentionality, interaction analys
architecture, system specification, viewpoints

25 Managing expert systems projects: factors critical for successful implement

Dave Dibble, Robert P Bostrom

March 1987　　　Proceedings of the conference on The 1987 ACM SIGBDP-SIGCPR C‹

Full text available: 📄 pdf(3.00 MB)　　　　　Additional Information: full citation, abstract, references, citir

Over the last decade, the Artificial Intelligence research community has success·
“expert” systems capable of solving problems in limited domains.
such an approach to problem solving, a number of firms have moved toward inc
portfolio of information system tools. The scarcity and geographic limitations of
tirelessness of machines, are the motivatio ...

26 Knowledge based systems versus thesaurus: an architecture problem abou
B. Defude

July 1984 Proceedings of the 7th annual international ACM SIGIR conference on Res retrieval

Full text available: 📄 pdf(637.92 KB)   Additional Information: full citation, abstract

The use of expert systems (ES) within information retrieval systems (IRS) seem the query process. Nevertheless we must examine what knowledge we need. W kernel of which knowledge : for this, we must define it larger than in classical IF the principal features of a query ES, we discuss about the relationship between problem is to determine ...

27 QUE: an expert system explanation facility that answers "why not" types of
Cynthia J. Martincic

October 2003   The Journal of Computing in Small Colleges, Volume 19 Issue

Full text available: 📄 pdf(118.07 KB)   Additional Information: full citation, abstract, referen

Despite the many advances in many aspects of explanation provision, most expl are limited to answering only a subset of the types of questions that users may facilities for many different types of users of expert systems including expert sy: end-users and students using Intelligent Tutoring Systems (ITSs) with expert sy is not commonly addressed by ...

28 Determining the functionality features of an intelligent interface to an inforn
N. J. Belkin, P. G. Marchetti

December 1989 Proceedings of the 13th annual international ACM SIGIR conference information retrieval

Full text available: 📄 pdf(2.42 MB)   Additional Information: full citation, abstract, references, c

In this paper, we propose a method for specifying the functionality of an intellig retrieval systems, and for implementing those functions in an operational enviro progressive, three-stage model of intelligent information support; a high-level c retrieval problem; a low-level specification of the host system functionality; and the system f ...

29 Expert systems for configuration at Digital: XCON and beyond
Virginia E. Barker, Dennis E. O'Connor, Judith Bachant, Elliot Soloway

March 1989   Communications of the ACM, Volume 32 Issue 3

Full text available: 📄 pdf(2.29 MB)   Additional Information: full citation, abstract, references, citings,

Members of Digital Equipment Corporation's team of expert system experts refle lessons learned in designing, and building a core of configuration systems

30 A collaborative fuzzy expert system for the Web
Tod A. Sedbrook

June 1998   ACM SIGMIS Database, Volume 29 Issue 3

Full text available: 📄 pdf(1.54 MB)   Additional Information: full citation, abstract, in

A convergence of Internet and fuzzy logic technologies provides an opportunity
developing, refining, and testing knowledge-based systems. Internet technology
restraints, and fuzzy rule bases are easier to understand and maintain. This pap
prototype for developing, delivering, and maintaining expert systems on the Wo
components allowed experts to ...

Keywords: Internet, collaboration, design, expert system, fuzzy logic

31 Software reuse
Charles W. Krueger

June 1992   ACM Computing Surveys (CSUR), Volume 24 Issue 2

Full text available: 📄 pdf(4.96 MB)   Additional Information: full citation, abstract, references, cil

Software reuse is the process of creating software systems from existing softwa
from scratch. This simple yet powerful vision was introduced in 1968. Software I
standard software engineering practice. In an attempt to understand why, resea
software reuse and in the obstacles to implementing it. This paper surveys the c
found in the ...

Keywords: abstraction, cognitive distance, software reuse

32 Familiar contexts, new technologies: adapting online help to simulate an ex
Hilari Kleine Jones

October 1997 Proceedings of the 15th annual international conference on Computer

Full text available: 📄 pdf(645.01 KB)   Additional Information: full citation, references, index terms

33 Applying expert systems to health care management
Glenn J. Fala, Kathryn T. Clayton, Diane M. Masciantonio

February 1995   Proceedings of the 1995 ACM symposium on Applied computii

Full text available: 📄 pdf(614.67 KB)   Additional Information: full citation, references

Keywords: artificial intelligence, expert systems, health care applications, knowl

34 A review of barriers to expert system diffusion

Donald E. Hardaway, Richard P. Willi

September 1990 Proceedings of the 1990 ACM SIGBDP conference on Trends and dir

Full text available: 🔊 pdf(1.79 MB)   Additional Information: full citation, references, citings, index

35 Using GOMS for user interface design and evaluation: which technique?

Bonnie E. John, David E. Kieras

December 1996   ACM Transactions on Computer-Human Interaction (TOCHI), V(

Full text available: 🔊 pdf(272.60 KB)   Additional Information: full citation, abstract, references, citi

Since the seminal book, The Psychology of Human-Computer Interaction, the G(
widely known theoretical concepts in human-computer interaction. This concept
extend the original work and has been used in real-world design and evaluation
previous work on GOMS to provide an integrated view of GOMS models and how
describe the majo ...

Keywords: GOMS, cognitive modeling, usability engineering

36 Loge–expert: from a legal expert system to an information system fc

Louis-Claude Paquin, François Blanchard, Claude Thomasset

May 1991 Proceedings of the third international conference on Artificial intelligence

Full text available: 🔊 pdf(745.91 KB)   Additional Information: full citation, references, index terms

37 Learning by doing with simulated intelligent help

John Carroll, Amy Aaronson

August 1988   Communications of the ACM, Volume 31 Issue 9

Full text available: 🔊 pdf(5.00 MB)   Additional Information: full citation, abstract, references, citing

Intelligent advisory interfaces will afford new approaches to help and training pr
usability of such facilities. This recent study indicates that although intelligent he
specific potential problems.

38 Technical papers: Capturing interest through inference and visualization: o1 recommender systems

Stuart E. Middleton, Nigel R. Shadbolt, David C. De Roure

October 2003   Proceedings of the international conference on Knowledge capt1

Full text available: 🔒 pdf(362.41 KB)   Additional Information: full citation, abstract, referen

> Tools for filtering the World Wide Web exist, but they are hampered by the diffic a diverse and dynamic environment. Recommender systems help where explicit difficult to formulate, learning the type of thing users like over a period of time.¹ user profiling in the context of a recommender system. Building on previous wo1 and the use of ext ...
>
> Keywords: knowledge capture, machine learning, ontology, profile visualization, user profiling

39 Principles of mixed-initiative user interfaces

Eric Horvitz

May 1999 Proceedings of the SIGCHI conference on Human factors in computing sy:

Full text available: 🔒 pdf(1.30 MB)   Additional Information: full citation, references, citings, index

> Keywords: UI design, decision theory, direct manipulaton, intelligent agents, pr(

40 Towards a diagnostic instrument for assessing the quality of expert system:

David W. Conrath, Ravi S. Sharma

September 1990 Proceedings of the 1990 ACM SIGBDP conference on Trends and dir

Full text available: 🔒 pdf(1.27 MB)   Additional Information: full citation, references, index terr

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41 A model of multimedia information retrieval

Carlo Meghini, Fabrizio Sebastiani, Umberto Straccia
September 2001   Journal of the ACM (JACM), Volume 48 Issue 5

Full text available: 📕 pdf(5.69 MB)   Additional Information: full citation, abstract, reference

Research on multimedia information retrieval (MIR) has recently witnessed a bo
this research trend is its simultaneous but independent materialization within se
resulting richness of paradigms, methods and systems may, on the long run, re:
down progress. The primary goal of this study is to promote an integration of m
contributing a conceptual model ...

Keywords: Description logics, fuzzy logics, multimedia information retrieval

42 A perceptual assistant to do sound equalization

Dale Reed

January 2000 Proceedings of the 5th international conference on Intelligent use

Full text available: pdf(1.68 MB) Additional Information: full citation, abstract, reference

This paper describes an intelligent interface to assist in the expert perceptual ta:
commonly done by a sound engineer in a recording studio, live concert setting, ·
system uses inductive learning to acquire expert skill using nearest neighbor pa1
a sound equalization expert system, which learns to proficiently adjust the timb1
darkness, and smooth ...

Keywords: audio equalization, expert systems, intelligent interfaces, learning, p·

43 Session 5: novel interaction: MAUI: a multimodal affective user interface

Christine L. Lisetti, Fatma Nasoz

December 2002 Proceedings of the tenth ACM international conference on Mul

Full text available: pdf(377.18 KB) Additional Information: full citation, abstract, refe1

Human intelligence is being increasingly redefined to include the all-encompassi
be considered 'pure reason'. With the recent progress of research in computer v
bio-feedback, real-time recognition of affect will enhance human-computer inter
further progress in the development of new emotion theories.In this article, we
closely interact with co ...

Keywords: affect recognition, emotions, intelligent interfaces, interface agent

44 Is knowing more really better?: effects of system development information i

Jeff A. Bauhs, Nancy J. Cooke

April 1994 Conference companion on Human factors in computing systems

Full text available: pdf(226.78 KB) Additional Information: full citation, referenc

45 Launching the new era

Kazuhiro Fuchi, Robert Kowalski, Koichi Furukawa, Kazunori Ueda, Ken Kahn, Taka

March 1993 Communications of the ACM, Volume 36 Issue 3

Full text available: pdf(3.45 MB) Additional Information: full citation, references, index terms, 1

46 Search improvement via automatic query reformulation

Susan Gauch, John B. Smith

July 1991   ACM Transactions on Information Systems (TOIS), Volume 9 Issue 3

Full text available: pdf(2.28 MB)   Additional Information: full citation, references, citings, index

Keywords: Expert Systems, full-text information retrieval, online search assistar

47 Eliciting software process models with the E3 language

Maria Letizia Jaccheri, Gian Pietro Picco, Patricia Lago

October 1998   ACM Transactions on Software Engineering and Methodology (TOSEI

Full text available: pdf(1.48 MB)   Additional Information: full citation, abstract, references, citi

Software processes are complex entities that demand careful understand ing an
quality of the resulting product. A necessary step toward the improvement of ar
description of the entities involved and of their mutual relationships. Process mc
description under the shape of a software process model. The model is construc
process ...

Keywords: associations, process model elicitation, software process modeling

48 Testing a walkthrough methodology for theory-based design of walk-up-anc

Clayton Lewis, Peter G. Polson, Cathleen Wharton, John Rieman

March 1990   Proceedings of the SIGCHI conference on Human factors in computing

Full text available: pdf(872.87 KB)   Additional Information: full citation, abstract, references,

The value of theoretical analyses in user interface design has been hotly debate
apply current theoretical models within the constraints of real-world developmer
context of bringing the theoretical ideas within a model of exploratory learning [
alternative interfaces for walk-up-and-use systems. We derived a “cognit
systematically evalu ...

49 PEARL: an expert system for power supply layout

Edward J. DeJesus, James P. Callan, Curtis R. Whitehead

July 1986   Proceedings of the 23rd ACM/IEEE conference on Design automation

Full text available: pdf(830.57 KB)   Additional Information: full citation, abstract, referen

The use of artificial intelligence (AI) expert systems technology has demonstrate
the computer aided design (CAD) field. This paper describes how domain specifi
conventional CAD architecture to develop an expert system. The combination re
assistance to printed wiring board (PWB) layout designers. This CAD tool focuse
power suppl ...

50 Modelling database based expert systems at the conceptual level
Ramin Yasdi
March 1985   Proceedings of the 1985 ACM thirteenth annual conference on Comp
Full text available: pdf(1.46 MB)   Additional Information: full citation, abstract, reference:

In a conceptual modelling environment a model is given for analysing complex r
Knowledge Model (CKM), represented by a Graphical Representation and a Form
Representation consist of 3 graphs: Conceptual Requirement Graph, Conceptual
Structure Graph. This graphs are developed by consulting the expert during the
transformed into first- order predicate logic t ...

51 Improving performance of an electrical power expert system with genetic al
Mike Goodloe, Sara Graves
June 1988   Proceedings of the first international conference on Industrial and engine
             and expert systems - Volume 1
Full text available: pdf(1.57 MB)   Additional Information: full citation, abstract, reference

Nickel cadmium batteries are an important source of power for aerospace applic
developed at the Marshall Space Flight Center (MSFC) for use with the Hubble S
been built at MSFC to aid in that development. In addition, the Nickel Cadmium
developed by Martin Marietta Corporation to assist NASA engineers in battery m
extension to NICBES which ...

52 An impact analysis method for safety-critical user interface design
Julia Galliers, Alistair Sutcliffe, Shailey Minocha
December 1999   ACM Transactions on Computer-Human Interaction (TOCHI), V(
Full text available: pdf(248.35 KB)   Additional Information: full citation, abstract, references, citi

We describe a method of assessing the implications for human error on user int(
previous work we have proposed a taxonomy of influencing factors that contribu
the taxonomy are combined into a mathematical and causal model for error, rep
The BBN quantifies error influences arising from user knowledge, ability, and the
factors describin ...

Keywords: Bayesian belief networks, human error, safety-critical, scenario-base

53 Supporting interactive information retrieval through relevance feedback
Jürgen Koenemann
April 1996 Conference companion on Human factors in computing systems: commoi
Full text available: pdf(227.18 KB)   Additional Information: full citation, references, index terms

54 Noncommand user interfaces
Jakob Nielsen
April 1993   Communications of the ACM, Volume 36 Issue 4
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